Anadex

Anadex AN Printer
Model DP-8000

Anadex

ANADEX INC.

PROUDLY PRESENTS

MODEL DP-8000

The ANADEX MODEL DP-8000 Alphanumeric Line Printer is a completely self contained printer ideally suited for integration into terminal applications or as a stand alone printer. Three basic ASCII compatible interface configurations are provided in the DP-8000. One connector provides input circuitry conforming to EIA Std. RS232C and the 20/60 ma CURRENT LOOP mode. A second connector provides a CENTRONICS PLUG COMPATIBLE interface which accepts data in a PARALLEL BIT, SERIAL CHARACTER, SYNCHRONOUS FORM. BOTH INPUT CONNECTORS AND ALL THREE INTERFACES ARE INCLUDED AS STANDARD.

GENERAL SPECIFICATIONS

* 80 COLUMNS, 112 CPS NOMINAL THROUGHPUT
* 84 LINES PER MINUTE, BI-DIRECTIONAL PRINTING
* SPROCKET FEED

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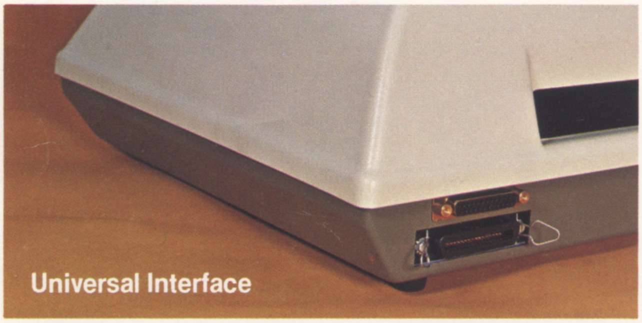
Features

- 80 Columns, 112 cps
- 84 Lines Per Minute, Bi-Directional, Nominal Thruput
- High Reliability – Heavy Duty Cycle, 100 M Characters Print Head Life
- Sprocket Feed
- Paper Entry Through Bottom or Rear
- 9 × 7 Character Font

The Anadex Model DP-8000 Alphanumeric Line Printer is a completely self-contained printer ideally suited for integration into terminal applications or as a stand-alone printer. The printer recognizes and prints a complete 96 character ASCII character set.


Universal Interface

Rear view of Model DP-8000 shows RS–232C and Current Loop input connector (upper) and Parallel Bit, Serial Character input connector (lower). The standard DP-8000 provides both input connectors for flexible interfacing.

Three basic ASCII compatible input configurations are provided. Input circuitry conforming to the general provisions of EIA Std. RS232C facilitates the interface with typical minicomputers and modems. An input that accepts the 20/60 ma current drive mode required by Teletype® Model ASR 33-35 printers is also included. The third input configuration accepts data in parallel bit, serial character, synchronous form at relatively high strobe rates. This input is Centronics plug-compatible. The DP-8000 includes 12 data lines of FIFO buffer storage and can accept data continuously or in bursts.

INTERFACE SPECIFICATIONS

Serial ASCII, RS232C

This interface accepts Serial ASCII asynchronous input data at relatively high baud rates. The printer may be programmed to function at any of the standard rates of 110, 150, 300, 600, 1200, 2400, 4800 or 9600 baud. Baud rate selection is by means of an integral selector switch. Input character codes of either 10 or 11 bits are accommodated. Input logic level and interconnection requirements conform to RS232C specification. A Data Terminal Ready handshake signal is generated to indicate when the internal buffer storage system can accept data.

With this interface, the MARK condition is defined as a signal potential of more negative than −3V with respect to signal ground and the SPACE state as more positive than +3V with respect to signal ground. The MARK condition is the normal idle state and also represents the Logic "1" state during data transmission.

Serial ASCII, Current Input

This interface can accept Serial ASCII asynchronous input data at any of the baud rates shown above. The interface is compatible with either the 20 ma or 60 ma current loop required by Teletype printers. The MARK current (Logic 1) may range from less than 20 ma to greater than 60 ma. The SPACE current (Logic 0) must be less than 5 ma nominal.

Parallel Bit, Serial Character Synchronous

This interface accepts input data in a parallel bit, serial character form at a maximum closed loop rate in excess of 1,000 characters per second. Data bits are entered by application of an externally generated strobe signal. Internally generated Acknowledge and Busy signals serve as the handshake to indicate the minimum time interval between strobe signals and when the internal buffer storage is full. Input data and all interface control signals are TTL logic compatible (Centronics compatible).

GENERAL SPECIFICATIONS

Character Format

A 9 × 7 Character Font is printable in 80 columns. Each column can print any of the 96 character ASCII character set.

Print Cycle

An ASCII CR-LF pair is normally transmitted at the end of each data line which initiates the print and line feed cycle.

Alternate Print/Feed Modes

Internal switches are provided to program the printer to: automatically Print and Line Feed without any Control Codes (i.e., CR, LF) after 80 character positions per data line have been entered; program a Print and Feed cycle to occur with receipt of the LF code only, VT code only, FF code only, or CR code only. In this last case, receipt of a CR-LF pair would cause a printout and two Line Feed cycles. Lines containing less than 80 characters will be shifted and printed to the extreme left automatically unless the characters are preceded by space codes. Lines containing more than 80 characters may be programmed to print excess characters on succeeding lines.

Paper Feed

The non-print paper feed or advance rate is 10 lines per second nominal. Paper feed may be initiated by any of the following methods:

ASCII LF Code (Line Feed)

The LF code(s) is/are normally transmitted at the end of a data line after the CR code. Paper will be advanced one line for each LF code received. LF codes may be transmitted at any time, except intermixed with the 80 character codes comprising a line of data.

FEED Pushbutton

Depression of this front panel pushbutton will cause paper to feed. Paper will feed at a rate of 10 lines per second as long as the button is depressed, or until the Top of Form position is reached.

ASCII FF Code (Form Feed)

Transmission of the ASCII Form Feed (FF) code, rather than a Line Feed (LF) code (see above) will cause the printer to automatically feed paper to a predetermined Top of Form position.

Vertical Tab

Receipt of the ASCII VT code will cause the printer to feed to the next higher Tab position or Top of Form, whichever comes first.

Out of Paper Detector

Provisions are included for indicating when the paper supply has been exhausted. In this event, printing is inhibited, the printer is placed OFF LINE (FIFO Cleared), and the remaining paper is fed clear of the printer. The paper feeding mechanism remains operational so that the paper supply may be replenished.

Character Buffer Storage

1K of FIFO storage is provided. Data may be supplied continuously in applications where the maximum open or closed loop input rate does not exceed 1.4 lines per second, nominal.

Additional Storage Register Capacity (Option R)

Models can be supplied with an increased buffer storage register capacity of 2048 characters for CRT dump and other applications.

Top of Form, Program

Internally programmable by the user for a variety of form lengths. Once programmed, an internal counter keeps track of present position on the form.

Skip Over Perforation Control

Internally programmable to inhibit printing on the last 0 to 15 lines of the form. Upon reaching the programmed position, the printer automatically feeds to the next Top of Form position.

Vertical Tab Control

Up to 8 vertical tab positions may be programmed by sending an ASCII DC1 code, followed by a 2-digit number for each Tab.

Double Width Printing

Initiated by receipt of the ASCII S0 code. Receipt of the ASCII SI code returns the printer to single character width printing.

Self Test

Diagnostic check of all memory and printing functions, activated by internal switch.

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GENERAL SPECIFICATIONS

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GENERAL SPECIFICATIONS (Contd.)

Print Head Life Expectancy:	100 million characters
Operating Temperature:	+5° to 45°C (+40° to +113°F), up to 85% Humidity
Printing Method:	7 wire, dot-matrix, impact, bi-directional, 9×7 Character Font
Throughput Rate:	112 cps nominal
Number of Columns:	80
Printable Width:	8.0 inches (203mm)
Character Height:	0.11 inches (2.8mm)
Line Spacing:	6 lines per inch

Paper (Fan Fold):

A. Width: 9.5'' (241mm) including 0.5'' (12.7mm) sprocket hole margins each side

B. Sprocket Hole Distances: 0.5'' (12.7mm) longitudinally, 9.0'' (229mm) laterally

C. Sprocket Hole Diameter: 0.156'' (4mm)

D. Number of Copies: Original, plus 3 copies

E. Paper Thickness: 0.018'' (0.45mm) total maximum

Paper Loading:

Through the bottom or rear.

Paper Feed:

Pin Drive actuated by solenoid and ratchet, independent of printing, at 10 lines per second.

Ribbon:

Unicolor. 0.5'' (12.7mm) wide, standard Underwood Plastic Spool.

Physical:

Pressure-formed plastic case 18.6'' (472mm) Wide × 14.2'' (360mm) Deep × 7.3'' (185mm) High.

A. Front mounted POWER switch and indicator.

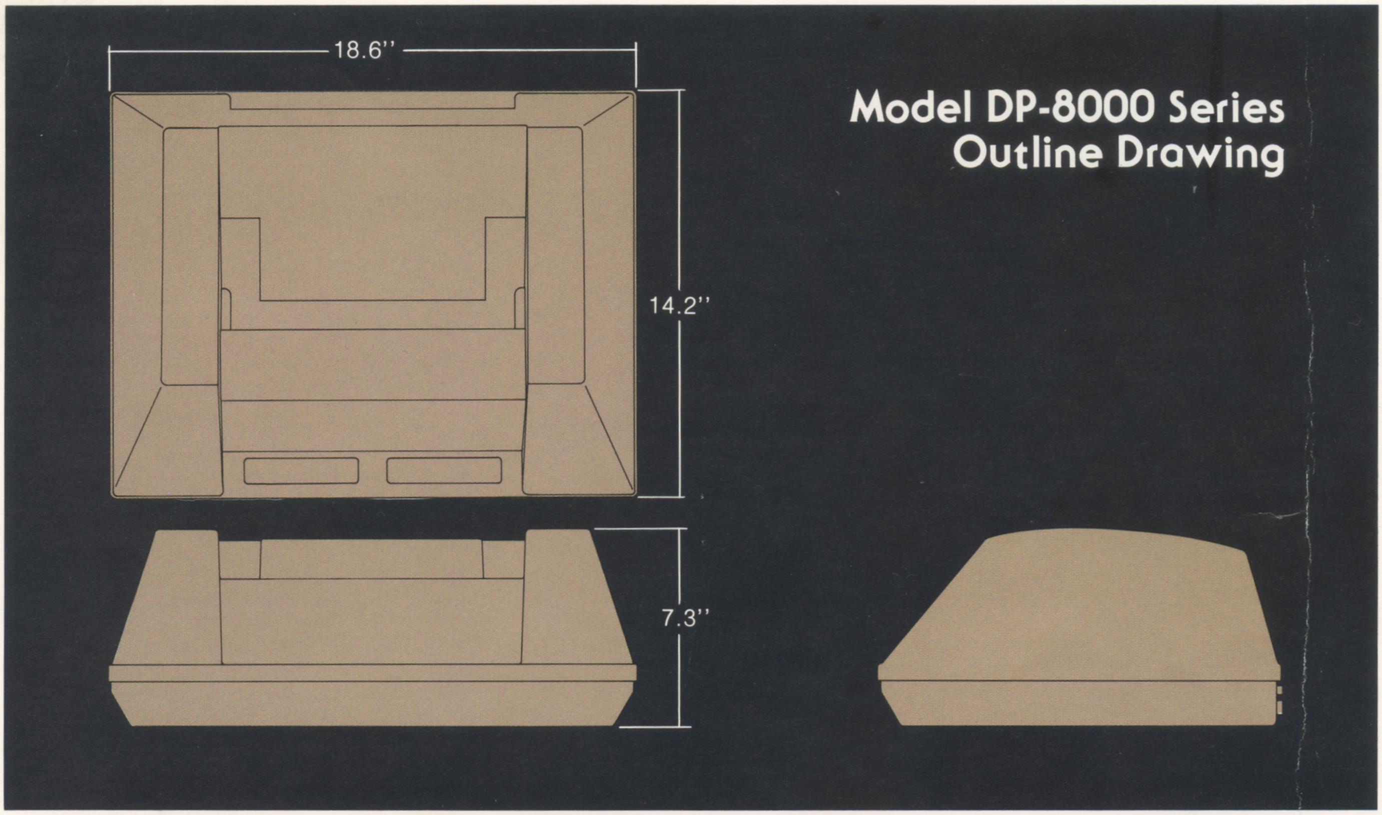
B. Front mounted FEED switch.

C. Front mounted TOF SET switch (Top of Form) used to set form starting point.

D. Front mounted ON/OFF LINE switch and indicator allows printer to ignore input data. Indicator illuminates when printer is ON LINE. FIFO is cleared when printer is switched OFF LINE.

Power:

105-125V RMS, 60 Hz. 210-250V RMS, 50 Hz optional.
(120 Watts, nominal).
Power option to be specified on order.



**Model DP-8000 Series
Outline Drawing**

Anadex
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